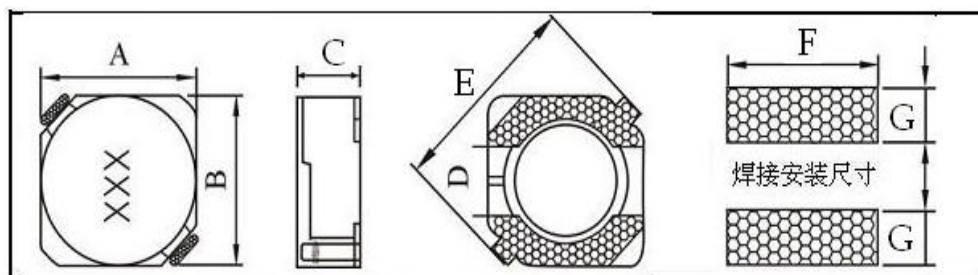
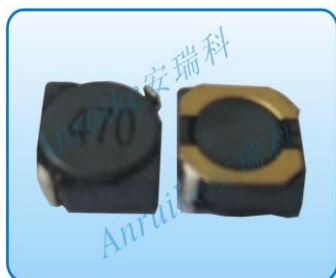


## 1、产品概要 / Outline

- ◆ 磁屏蔽结构，有较强抗干扰性能
- ◆ 正方形构造适合高密度贴装
- ◆ 耐大电流低阻值
- ◆ 工作温度：-40°C ~ +125°C
- ◆ 主要应用于照明行业、通信设备、计算机行业、安防行业、智能家居行业、家用电器、电子产品等



## ◆ 2、外观尺寸/ Appearance size 单位:mm



A(MAX)	B(MAX)	C (MAX)	D	E	F	G
6.0	6.0	2.0	2.0	8.2	6.3	2.15

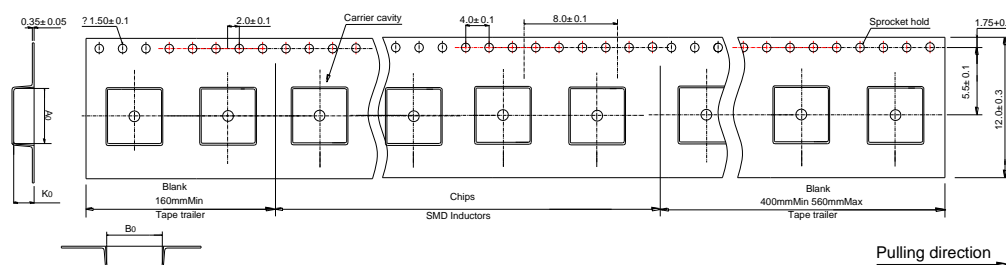
## 3、电气特性/Electrical characteristics

型号/NO	L/uH	DCR (Ω)	Isat(A)	Irms(A)
CD5D18-1R5N	1.5	0.02	2.7	3.50
CD5D18-2R2N	2.2	0.035	2.6	3.00
CD5D18-3R3N	3.3	0.05	2.0	3.00
CD5D18-4R7N	4.7	0.06	1.8	2.00
CD5D18-5R6N	5.6	0.088	1.75	2.00
CD5D18-6R8N	6.8	0.091	1.65	2.15
CD5D18-8R2N	8.2	0.115	1.50	2.00
CD5D18-100M	10	0.1	1.2	1.50
CD5D18-120M	12	0.153	1.10	1.20
CD5D18-150M	15	0.196	1.00	1.10
CD5D18-180M	18	0.210	1.00	1.00
CD5D18-220M	22	0.22	0.7	0.85
CD5D18-270M	27	0.330	0.7	0.70
CD5D18-330M	33	0.32	0.55	0.55
CD5D18-390M	39	0.520	0.50	0.50
CD5D18-470M	47	0.595	0.45	0.45
CD5D18-560M	56	0.665	0.45	0.45
CD5D18-680M	68	0.840	0.40	0.40
CD5D18-820M	82	0.978	0.40	0.40
CD5D18-101M	100	0.9	0.32	0.35
CD5D18-151M	150	1.900	0.30	0.30

- ◆ K 表示电感值的公差为±10%，M 表示电感值的公差为±20%，N 表示电感值的公差为±30%
- ◆ K said inductance tolerance is ±10%, M said inductance tolerance is ± 20%
- ◆ 所有数据基于环境温度 25°C条件下测试
- ◆ All data is based on testing at an ambient temperature of 25 °C
- ◆ 测试条件：100KHz/0.25V
- ◆ 本页面未能录入全部或最新的数据，请您在订购前向本公司咨询精准参数及样品。
- ◆ We were unable to input all or the latest data on this page. Please consult our company for accurate parameters and samples before placing an order.

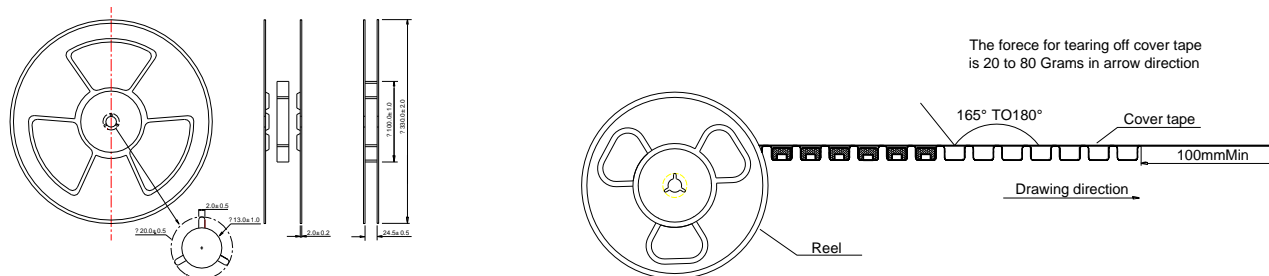
## 4 包装规格/ Packaging specifications 单位/m

### (1)、TAPE DIMENSIONS (unit: mm) & QUANTITIES (unit: PCS)

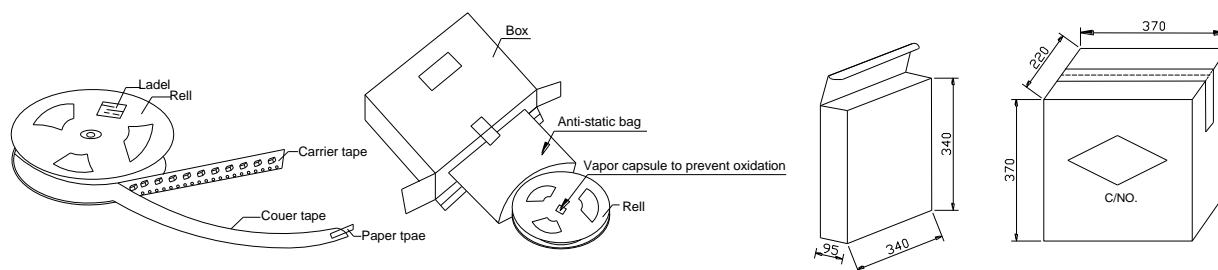


Type	Tape Dimensions			Reel	Quantities/Reel
	A <sub>0</sub>	B <sub>0</sub>	K <sub>0</sub>		
CD5D18	5.2	5.2	3.0	330*24	2000 PCS

### (2)、DIMENSIONS OF REEL & TAPING FIGURES AND DRAWING DIRECTION



### (3)、BOX AND CASE DIMENSIONS(UNIT:mm) & PACKAGING QUANTITIES(UNIT:PCS)



Type	Quantities(Unit:PCS)	Quantities(Unit:PCS)
	Inner Carton	Outer Carton
CD5D18	2/4000 PCS/小内箱	16000PCS/外箱

5、焊接/welding

• 焊接原材料 Soldering Materials

(a) 焊料：推荐使用 96.5Sn/3.0Ag/0.5Cu 焊料，或者采用 Sn 含量不超过 97%的锡合金焊料。Solder: It is recommended to use 96.5Sn/3.0Ag/0.5Cu solder, or use Tin alloy solder with a Tin content not exceeding 97%.

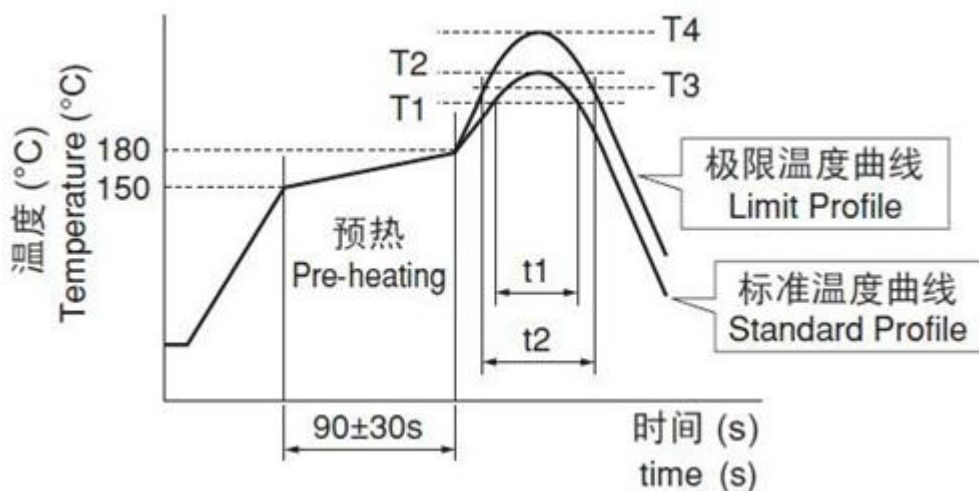
(b) 助焊剂：推荐使用松香类助焊剂，请勿使用强酸性助焊剂（含氯量超过 0.2wt %），并且请勿使用水溶性助焊剂。

Flux: It is recommended to use rosin-based flux. Acidic flux (with chlorine content exceeding 0.2wt %) and water-soluble flux are forbidden.

• 焊接温度及要求 Soldering Temperature & Requirements

( 1 ) 回流焊 Reflow Soldering

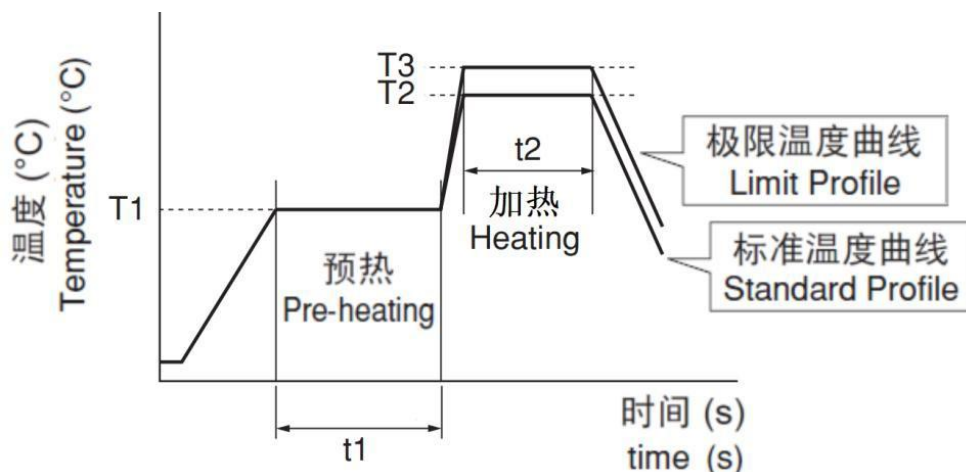
回流焊温度曲线 Reflow Soldering Temperature Profile



回流焊要求 Reflow Soldering Requirements

标准温度曲线Standard Profile				极限温度曲线Limit Profile			
加热Heating		峰值温度 Peak Temp. ( T2 )	回流焊 次Cycle Of Reflow	加热Heating		峰值温度 Peak Temp. ( T4 )	回流焊次数 Cycle Of Reflow
加热 Temp. ( T1 )	时间 Time ( t1 )			温度 Temp. ( T3 )	时间 Time ( t2 )		
220°C	30~60s	245±3°C	≤2	230°C	≤60s	260°C/10s	1

(2)、波峰焊 Flow Soldering



波峰焊要求Flow Soldering Requirements

预热 Pre-heating		标准温度曲线 Standard Profile			极限温度曲线 Limit Profile		
		加热 Heating		波峰次数 Cycle Of Flow	加热		波峰次数 Cycle Of Flow
温度 Temp ( T1 )	时间 Time ( t1 )	温度 Temp ( t2 )	时间 Time ( t2 )		温度 Temp. ( T3 )	时间 Time ( t2 )	
150°C	≥60s	250°C	4s ~ 6s	≤2	265±3°C	≤5s	1

6、其他

- ◆ 本产品为无铅，请采用无铅环境作业
- ◆ Other: Our company's products are lead-free, please operate in a lead-free environment
- ◆ 在过载电流等不正常条件下，本电感产品无自我保护功能。
- ◆ Under abnormal conditions such as overload current, this inductor product has no self-protection function.
- ◆ 贮藏温度：10°C ~ 25°C，相对湿度：65% ~ 85%。
- ◆ Storage temperature: 10 °C~25 °C, relative humidity: 65%~85%
- ◆ 由于页面限制，更多资料请联系我司
- ◆ Due to page limitations, please contact our company for more information